

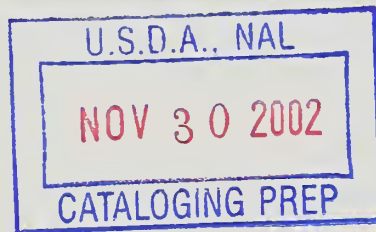
## **Historic, Archive Document**

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# HIGH POINT ROAD TIMBER BRIDGE, Bay County, Florida

aTG365  
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2001



**Type:** Glued-laminated timber stringers and transverse glued-laminated deck

**County:** Bay

**Owner:** Bay County Public Works

**Built in:** 1998

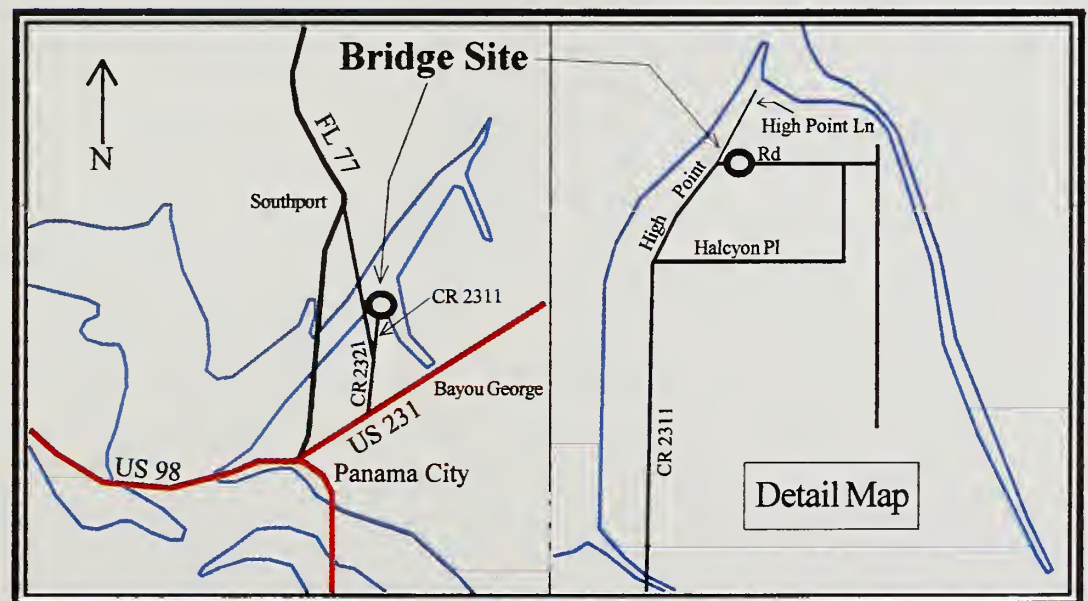
**Engineer:** Jocee Cyr, John Alghemand

**Spans over:** Little Bayou

**Bridge length:** 25'-0"

**Roadway width:** 26'-0"

**Directions:** From Panama City take US 231 approximately 5 miles northeast to the intersection of US 231 and CR 2321. Take CR 2321 2 miles to the intersection of CR 2321 and CR 2311. Take CR 2311 north 2.8 miles to the bridge site. (Please note CR 2311 turns into High Point Road at the end.)



USDA Forest Service

The National Wood In  
Transportation Program







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WIT-015-0031

**GEOMETRY**

Number of Spans: 1  
 Out-to-out length: 25'-0"  
 Center-of-bearing span lengths: 24'-0"  
 Skew: 0 degrees  
 Number of lanes: 2  
 Out-to-out width: 28'-0"  
 Curb-to-curb width: 26'-0"  
 Number of beams and spacing: 8@3'-8 1/8"  
 Superstructure square footage: 700

Design load: HS-20  
 Deadload: Approximately 180/lbs/ft/beam  
 Averaged daily traffic: 110  
 Superstructure design by: Gaddie  
 Construction Company  
 Abutment material: Wood  
 Abutment preservative: CCA

Total project cost: \$201,300  
 Total superstructure cost: \$92,000  
 Total superstructure cost /sq ft: \$131.40

**MATERIAL****DECK**

Material: Wood  
 Species: Southern pine  
 Allowable bending stress: 1920 psi  
 Sizes used: 5 1/8" x 48" x 28'-0" glued-laminated panels  
 Quantity: 3,588 bf  
 Preservative treatment: CCA  
 Wearing surface: 2" x 12" Southern pine

**BEAMS/STRINGERS**

Material: Wood  
 Species: Southern pine  
 Allowable bending stress: 2400 psi  
 Sizes used: 6 3/4" x 23 3/8" x 25'-0"  
 Quantity: 2,630 bf  
 Preservative treatment: CCA

**GUIDERAIL POSTS**

Material: Wood  
 Grade: No. 1 or better  
 Species: Southern pine  
 Sizes used: 8" x 8"  
 Approach rail posts: 8" x 10"

**GUIDERAIL CURB (none)****GUIDERAIL**

Material: Wood  
 Grade: Traffic rail, No. 1 or better; Hand rail, No. 2 or better  
 Species: Southern pine  
 Size: Traffic rail, 6" x 14"; Hand rail, 2" x 10"  
 Approach rail: Galvanized steel w-beam

**LOCAL IMPACT:** The bridge carries High Point Road over Little Bayou in Bay County, Florida. The bridge is used by school busses, trucks, cars and pedestrians.

**BRIDGE PERFORMANCE:** The bridge replaced a 22 foot, 9 ton load limited existing bridge.

**FUNDING SOURCES:** USDA Forest Service: \$50,000; Balance of funding from Bay County, Florida.

**LOCAL CONTACT:** Josee Cyr, P.E.  
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 Public Works Department  
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Information provided by Merv Eriksson, USDA Forest Service

WIT Program Proposal Number: R08-10-97-COM

Federal Grant Identifier: 08-97-50-G-08

May 2001



Northeastern Area  
 State and Private Forestry